Claims

1. User interface of a machine tool, comprising a display (1) which is divided into at least two regions (2, 4), with a main menu (3) which is permanently displayed in the first display region (2), in particular, a menu bar, for selecting different main modes (3_1-3_7) of the user interface each with a main window (5_1-5_7) which is opened in the second display region (4) in accordance with a main mode selected in the main menu (3), wherein at least one of the main windows (5_1-5_7) comprises a permanently displayed submenu (6) for selecting different submodes (6_1-6_4) and a subwindow (7_1-7_4) which is opened in accordance with the selected submode, and with an input unit for selecting the individual modes (3_1-3_7; 6_1-6_7) and for processing the input fields (14) provided in a window (5_1-5_7; 7_1-7_4), wherein the display (1) permanently displays which one of the main modes is selected.

2. User interface according to claim 1, characterized in that the selected main mode is marked in the main menu (3).

3. User interface according to claim 1 or 2, characterized in that at least one of the subwindows (7_1-7_4) comprises a permanently displayed sub-submenu (8) for selecting different sub-submodes (8_1-8_3) of the selected submode and a sub-subwindow (9_1-9_3) which is opened in correspondence with the selected sub-submode.

4. User interface according to any one of the preceding claims, characterized in that at least one of the windows (5_1-5_7; 7_1-7_4, 9_1-9_3) comprises a navigation menu (10) for selecting different navigation modes (10_1-10_4) which each graphically represent a region of the machine tool, and a navigation window (11_1-11_4) is opened within the associated window (5_1-5_7; 7_1-7_4; 9_1-9_3) in accordance with the selected navigation mode.

5. User interface according to any one of the preceding claims, characterized in that the subwindow, sub-subwindow or navigation window which was opened

before switching-over to another main mode, is opened upon return into the original main mode.

6. User interface according to any one of the preceding claims, characterized in that at least one of the windows (5_1-5_7; 7_1-7_4; 9_1-9_3) comprises at least one activity button (15_1-15_4; 17_1-17_3) for processing input fields (14) provided therein which is associated with an activity button window (16_1; 18_1).

7. User interface according to claim 6, characterized in that when an activity button window (16_1; 18_1) is opened, switching-over to a different window (5_1-5_7; 7_1-7_4; 9_1-9_3) of the same main mode is blocked.

8. User interface according to any one of the preceding claims, characterized in that the sequence of the individual submodes (6_1-6_4), sub-submodes (8_1-8_3) and navigation modes (10_1-10_4) within one main mode is oriented on the workflow of the machine tool.

9. User interface according to any one of the preceding claims, characterized in that at least the submenus (6) and/or the sub-submenus (8) are designed as tab menu bar.

10. User interface according to any one of the preceding claims, characterized in that the display (1) and the input unit are formed by a touch screen.